

ABSTRACT

A method of ring protection is provided. The method includes feeding traffic on two transmission rings at a head end node and summing all traffic received on the transmission rings at the head end node. When a facility failure is detected, by a remote node, on one of the two transmission rings, transmitting forward alarm signals on the one transmission ring and return alarm signals on the other transmission ring and globally selecting the one transmission ring to transmit traffic and the other transmission ring to receive traffic from the head end node. When a remote node receives a forward alarm signal, the remote node passes the forward alarm signal on the transmission ring on which the forward alarm signal was received and globally selects the transmission ring on which the forward alarm signal was received to transmit traffic and the other transmission ring to receive traffic from the head end node.